

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	4396	(422/103, 436/63, 435/7.24, /29).ccls.	US-PGPUB; USPAT; USOCR	AND	ON	2009/10/21 14:09
L2	6	L1 and (nozzle funnel) with (before closer) with (wall inclination surface)	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/21 14:10
S1	1	"20080304720"	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/05 16:29
S2	12	(chang-jun-keun, park-jun-ha, chung-chanil, kim-jung-kyung).in.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/05 16:34
S3	1947	focusing near2 (fluid or particle or microparticle)	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/05 16:35
S4	1086	S3 not (microfluidic or channel)	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/05 16:36
S5	861	S3 not S4	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/05 16:37
S6	618	S5 and @ad<"20041217"	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/05 16:37
S7	1	"6592821".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/05 16:43
S8	405	(wada-h-garrett, kopf-sill-anne-r, alajoki-marja-liisa, parce-j-wallace, wang-benjamin-n, chow-andrea-w, dubrow-robert-s, yurkovetsky-yevgeny, farinas-javier-anibal).in.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/05 16:47
S9	28	S8 and (focusing with (fluid or particle or microparticle))	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/05 16:48
S10	405	(wada-h-garrett, kopf-sill-anne-r, alajoki-marja-liisa, parce-j-wallace, wang-benjamin-n, chow-andrea-w, dubrow-robert-s, yurkovetsky-yevgeny, farinas-javier-anibal).in.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/06 09:46
S11	1947	focusing near2 (fluid or particle or microparticle)	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/06 09:52
S12	1086	S11 not (microfluidic or channel)	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/06 09:52
S13	861	S11 not S12	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/06 09:52

S14	352	S13 and (focusing with (channel or microchannel or conduit or capillary or tube))	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/06 09:52
S15	60	S13 and (focusing adj (channel or microchannel or conduit or capillary or tube))	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/06 09:52
S16	3061	focusing near2 (fluid or particle or microparticle or cell)	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/06 10:16
S17	4207	(focusing or streamlin\$3) near2 (fluid or particle or microparticle or cell)	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/06 10:19
S18	2831	(focusing or streamlin\$3) near2 (particle or microparticle or cell)	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/06 10:19
S20	293472	(assymetric\$5 asymeric \$5 or bent or bend or curv \$5 or narrow\$3) with (channel or microchannel or conduit or capillary or tube)	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/06 11:05
S21	373	S18 and S20	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/06 11:06
S22	249	S21 and @ad<"20041217"	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/06 11:06
S23	105824	(assymetric\$5 asymeric \$5 or bent or bend or curv \$5 or narrow\$3) with (channel or microchannel or conduit or capillary or tube) with (shape or wall or nozzle or section\$2 or area)	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/06 11:08
S24	100	S18 and S23	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/06 11:08
S25	60	S24 and @ad<"20041217"	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/06 11:08
S26	106149	(nonlinear or asymeric\$5 or bent or bend or curv\$5 or narrow\$3) with (channel or microchannel or conduit or capillary or tube) with (shape or wall or nozzle or section\$2 or area)	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/06 11:18
S27	2837	(focusing or streamlin\$3) near2 (particle or microparticle or cell or bacteria)	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/06 11:39

S28	100	S26 and S27	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/06 11:39
S29	0	S28 not S24	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/06 11:39
S30	13764	(nonlinear or asymmetric\$5 or bent or bend or curve\$5 or narrow\$3) with (channel or microchannel or conduit or capillary or tube) with (shape or wall or nozzle or section\$2 or area)	DERWENT	OR	ON	2009/03/06 11:40
S31	275	(focusing or streamlin\$3) near2 (particle or microparticle or cell or bacteria)	DERWENT	OR	ON	2009/03/06 11:40
S32	1	S30 and S31	DERWENT	OR	ON	2009/03/06 11:40
S33	7340	(nonlinear or asymmetric\$5 or bent or bend or curve\$5 or narrow\$3) with (channel or microchannel or conduit or capillary or tube) with (shape or wall or nozzle or section\$2 or area)	FPRS; EPO; JPO	OR	ON	2009/03/06 11:41
S34	147	(focusing or streamlin\$3) near2 (particle or microparticle or cell or bacteria)	FPRS; EPO; JPO	OR	ON	2009/03/06 11:41
S35	0	S33 and S34	FPRS; EPO; JPO	OR	ON	2009/03/06 11:41
S36	72	fluidigm-\$.as.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/06 12:15
S37	5	S36 and ((focusing or streamlin\$3) with (particle or microparticle or cell or bacteria))	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/06 12:18
S39	55339	(height or area) with (different or change\$3 or vary\$3 or increase\$3 or decrease\$3) with (channel or microchannel or conduit or nozzle)	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/06 12:33
S40	25	S26 S27 S39	US-PGPUB; USPAT; USOCR	AND	ON	2009/03/06 12:33
S41	1	"6506609".pn.	US-PGPUB; USPAT; USOCR	AND	ON	2009/03/06 12:47
S42	1	(toner-mehmet, dicarlo- dino, edd-jon, irimia- daniel).in.	US-PGPUB; USPAT; USOCR	AND	ON	2009/03/06 12:48

S43	1707	S26 and asymmetric	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/06 14:39
S44	156	S26 and (asymmetric with wall)	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/06 14:40
S45	100	S44 and @ad<"20041217"	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/06 14:40
S46	61	("4390403"   "4908112"   "5126022"   "5498392"   "5571410"   "5585069"   "5587128"   "5593838"   "5603351"   "5635358"   "5637469"   "5699157"   "5750015"   "5779868"   "5800690"   "5842787"   "5846708"   "5852495"   "5869004"   "5876675"   "5880071"   "5882465"   "5885470"   "5942443"   "5948227"   "5955028"   "5957579"   "5958203"   "5958694"   "5959291"   "5964995"   "5965001"   "5965410"   "5972187"   "5972710"   "5976336"   "5989402"   "6001231"   "6004515"   "6011252"   "6012902"   "6042710"   "6046056"   "6068752"   "6071478"   "6074725"   "6080295"   "6156181"   "6344326"   "6432630"). PN. OR ("6592821"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/09 13:30
S50	1	focusing channel nozzle (microparticle or bead or cell)	US-PGPUB; USPAT; USOCR	WITH	ON	2009/03/09 14:11
S51	1	"6994218".pn.	US-PGPUB; USPAT; USOCR	WITH	ON	2009/03/09 14:13
S52	7446	(422/100, 382/128).ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/10 11:22
S54	148	S52 and ((focusing or streamlin\$3) with (fluid or particle or microparticle or bead or cell))	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/10 11:23
S55	109	S54 and @ad<"20041217"	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/10 11:24
S56	5501	(nozzle funnel) with (before closer) with (wall inclination surface)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/16 13:37
S57	7363	(nozzle funnel) with (before closer) with (wall inclination surface)	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/16 13:37

S58	7334	S57 not microfluidic	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/16 13:38
S59	29	S57 not S58	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/16 13:38
S60	64	(nozzle funnel) with (before closer) with (wall inclination surface) and focus\$4 with (bead particle cell bacterium)	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/16 13:42
S61	262	(nozzle funnel channel microchannel conduit trench groove) with (before closer) with (wall inclination surface) and focus\$4 with (bead particle cell bacterium)	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/16 14:00
S62	198	S61 not S60	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/16 14:00
S63	8508	(422/100, 382/128, 382/134, 209/210).ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/16 14:44
S64	8058	(422/100, 382/128).ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/16 14:45
S65	363	S64 and ((focus\$4 streamlin\$3) with (fluid particle microparticle bead cell bacterium))	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/16 14:45
S66	3	S65 and (nozzle funnel channel microchannel conduit trench groove) with (before closer) with (wall inclination surface)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/16 14:47
S67	7334	(cell with sort\$3 or focus \$3).ti.	USPAT	OR	OFF	2009/10/16 14:53
S68	30	cell with (sort\$3 focus\$3). ti.	USPAT	OR	OFF	2009/10/16 14:53

10/ 21/ 2009 2:11:54 PM

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